

Location Clifton, NJ Date 8/13/15

Project / Client Gibaudon / Lockheed Martin

- 0918 LM is using geoprobe bit to determine asphalt thickness by going through corner area that has been removed. Latex-ite Driveway Filler sealer. Blektop crack filler.
- 0949 Using geoprobe rig to continue removing asphalt.
- 0959 LM still planning to get jackhammer to at least work on next hole. Two layers of asphalt separated by absorbent cloth. ———— BM
- 1047 Asphalt in three sections. Bottom of asphalt ~ 8" bgs. Bottom of grey gravel ~ 15" bgs. Reddish brown sand, little cobbles below.
- 1115 Black vinyl coated fence encountered ~ 45" bgs. ———— BM
- 1132 Now vacuuming out soil on top of fence. Other drillers returned about 5 minutes ago. Still do not know how far down geofabric is below fence. ———— BM
- 1142 LM still vacuuming reddish-brown silty sand and cobbles from above fence. ———— BM
- 1154 Cutting and pulling out pieces of the fence. Trying to start saw for second hole. ———— BM
- 1213 Still clearing hole #1 and jackhammering at hole #2. One layer of asphalt is off at hole #2. ———— BM
- 1315 Returned from restroom break with Steve. Guys reached membrane in pilot hole at hole #1. Earlier I called EPI for vac truck this afternoon. Mike will be coming. Phone # is 732 439-5885. ———— BM
- 1318 Membrane is 62' bgs. ———— BM

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- 1420 EPI arrived onsite. Made introductions. ———— BM
- 1432 EPI is emptying contents onto tarp. I need to call shop to find out where vehicle was last working. Vac 2 Franklin, NJ. Tony is going to find out what the vac truck was used for. Rick Wroblewski, Gibaudon Fragrances Corp
- 1503 Shared info with Eugenia re contents of vac truck pursuant to Tony P. of EPI. The contents were from work at Walt Whitman Service Area in Cherry Hill, NJ. They soft dug to 3' bgs and then air knifed to 5' bgs. Only potential contaminants are hydrocarbons. ———— BM
- 1509 Soft digging at hole #1. ———— BM
- 1618 Drillers have been drilling at hole #2 following modification of sampling and closure protocol. LM is mixing Benseal bentonite with water. Made approximately nine gallons worth. EPI left the site approximately 30 minutes ago.
- 1627 LM used approximately 1 to 1.5 lbs of bentonite. Setting up tremie pipe assembly. Hole completed to 10' bgs. Using tremie pipe and funnel. Used approximately 2-2.5 gallons
- 1637 Two holes were drilled, one to east and one to west. East hole grouted up. West hole has collapsed. LM needs to redrill.
- 1649 Redrilling west hole to grout. ———— BM
- 1652 Remixed grout ———— BM
- 1700 Poured ~ 3 gallons in western hole. ———— BM
- 1706 Fabric in hole #2 was approximately 4' bgs.

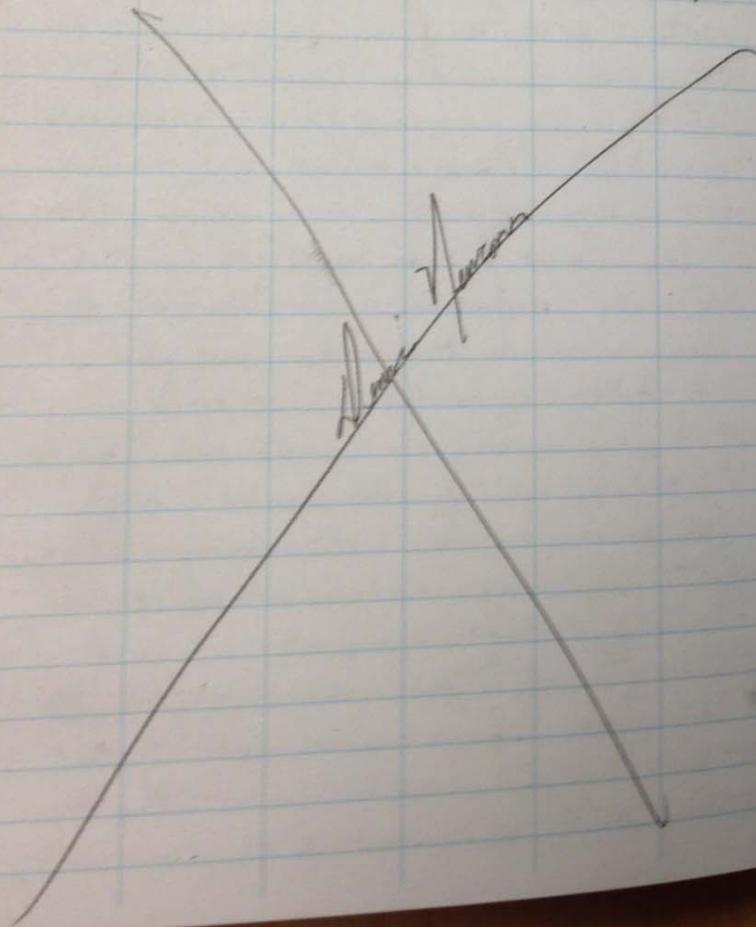
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- 17:07 Setting up on hole #1. ————— BM
- 17:08 Drilling hole #1. ————— BM
- 17:25 Hole #1 is about 4 feet below fabric. Used approximately 1 gallon of grout. Will allow all grout to settle overnight. Hole #1 will be topped off tomorrow then fabric sealed
- 17:30 Leaving the site. ————— BM



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- 0734 Arrived onsite. Weather conditions are clear, sunny, temp in 60s and expected in 80s. AMO personnel onsite is Denis Newcomer. Today's activities include sealing boreholes. ————— BM
- 0742 Hole #2 (west) grout held up well. This hole we will even out, place fabric on surface then apply cold patch. Cold patch is Sakrete 50 lb bag. Cold patch will be tamped down and cracks sealed.
- 0753 Steve B. of EPA and Chris G. and driller for LM. I explained what needed to be done at both locations. For hole #1, we will grout the hole since it settled a bit. Then we will seal fabric. Let it adhere for approximately 15-20 minutes. Grout the hole up to the fence. Place chicken wire at the fence depth. Backfill hole with available soil. Place cold patch on excavation and seal. ————— BM
- 0804 Rick W. of Givaudan arrived onsite. ————— BM
- 0808 Second LM driller arrived onsite. Placing debris from hole next to it. Debris removed from hole #2 during leveling. Swept asphalt into hole. ————— BM
- 0810 Tailgate meeting conducted by Chris G. of LM. ————— BM
- MEANS PERSON 8:02 non-woven fabric. AA SATO MERE Class 1 R25MMVJK 34E. ————— BM
- 0820 Using Lofex-ite airport grade 2x blacktop crack filler at hole #1

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prior to placing asphalt in excavation. This allows us to confirm it is getting to the bottom of the cracks. It should be noted the cuts in the asphalt did NOT penetrate all three layers of asphalt. Each corner has 2 cross cuts. Driller using a metal yardstick to "push" sealant into the cracks. ———— DM

0832 Hole #1 has been grouted. Working on sealing second set of cracks. Waiting for grout to cure. ———— DM

0841 Placing cold patch in hole #2. 4 bags emptied. Chris is putting fabric in hole #1. ———— DM

0850 Chris has sprayed 3M High Strength 90 Contact Adhesive. Drillers tamped down 1ST 4 bags with VP340 Low Vib Wacker Neuson model. ———— DM

0853 Chris secured fabric in hole #1. Tamping down next 3 bags in hole #2. ———— DM

0858 Added 3 more bags of cold patch to hole #2. Using rake to even out before using vibratory compactor.

0907 Poured 1 40-lb pail of latex-ite super patch deep blacktop patch. Hand tamped down. ———— DM

0910 Filling in cracks again at hole #1 ———— DM

0917 Pouring grout over fabric. Sealing sawcut cracks. Added ~1 gallon of grout above patch. Asked to put more grout into hole so soil will not displace grout. Drillers left the site to get supplies. Added 1.5 gallons.

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0930 Added another 1.5 gallons of Portland Cement to hole #1.

0936 Mixing another batch of cement for another pour into hole #1.

0941 Added approximately 6 total gallons of Portland cement to hole #1. Raised approximately 6" above fabric. ———— DM

1008 Chris and Joe have returned with Super Patch for hole #2. Added 2 more 40-lb buckets of Super Patch for hole #2.

Hand placing patch along the edges. Hand tamping edges.

1009 Added 3rd pail of Super Patch to hole #2. ———— DM

Adding a couple of trowels-worth of Super Patch on the corners following tamping down with vibrating compactor. ———— DM

1018 Eugenia of EPA arrived onsite. Givaudan is good/approved of hole #2. ———— DM

1024 Adding soil on top of fabric, which is on top of cement. I wanted them to start before concrete hardens too much so that it can fill in any cracks. We'll continue to hand place soil over chicken wire. ———— DM

1049 Hand placing soil into hole #1. Hand tamping all of it. Now approximately 2.5 to 3.0' bgs. ———— DM

1100 Still hand placing soil into hole #1. Approximately 8" from gravel base ———— DM

1106 Tried vibrating compactor in hole #1 but did not help much.

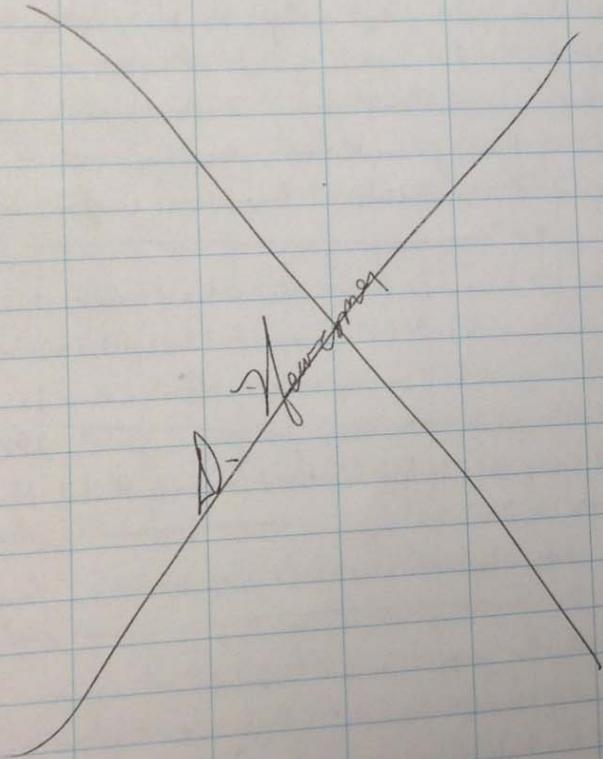
1130 Got most of the material in hole #1. Preparing for cold patch.

1141 Placed fabric in hole approximately 4" bgs. Begin adding cold patch. ———— DM

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- 11⁴⁴ Added 5 bags of cold patch to hole #1. Now vibrating with compactor. ———— DM
- 11⁵² Added 4 peils of Super Patch. Getting ready to use compactor.
- 11⁵⁶ Adding 5th peil to hole #1. ———— DM
- 12⁰³ Used compactor to complete Super Patch work. ———— DM
- 12²⁰ Leaving the site. ———— DM



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